International application No.

A CLASSIE	ICATION OF SUBJECT MATTER		PCT/JP2004/013023
Int.C.	1 ⁷ A61K38/18, 45/00, A61P1/02,	19/04, 19/08,	A61L27/00
	nternational Patent Classification (IPC) or to both nation	onal classification and IPC	
B. FIELDS S	· · · · · · · · · · · · · · · · · · ·		
Int.C	mentation searched (classification system followed by A61K38/18, 45/00, A61L27/00	classification symbols)	
Documentation	searched other than minimum documentation to the ex	xtent that such documents a	re included in the fields searched
Electronic data CAPLUS	base consulted during the international search (name o /MEDLINE/EMBASE/BIOSIS (STN),	of data base and, where pract JSTplus (JOIS)	ticable, search terms used)
C. DOCUME	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where	appropriate, of the relevant	passages Relevant to claim N
Х	KURIHARA, H. et al., Neurotr cells from periodontal tissu Periodontology, 2003, Vol.74 76 to 84	les. Journal of	1-17,26,27
Х	HARADA, F. et al., The invol derived neurotrophic factor regeneration of periodontal following transection of the alveolar nerve, Archives of and Cytology, 2003, Vol.66, 183 to 194	(BDNF) in the Ruffini endings inferior Histology	
Х	TSUBOI, Y. et al., Mitogenic Neurotrophins on a Periodonta Cell Line, Journal of Dental 2001, Vol.80, No.3, pages 883	tal Ligament	
	cuments are listed in the continuation of Box C.	See patent family a	annex.
document do to be of partice earlier applice filing date document with cited to estate special reason.	gories of cited documents: cfining the general state of the art which is not considered cular relevance ation or patent but published on or after the international mich may throw doubts on priority claim(s) or which is blish the publication date of another citation or other in (as specified) cerring to an oral disclosure, use, exhibition or other means blished prior to the international filing date but later than atte claimed	"X" document of particular considered novel or considered novel or considered novel or considered novel or considered to involve the considered to i	relevance; the claimed invention cannot be e an inventive step when the document is more other such documents, such combination son skilled in the art
02 Nove	completion of the international search mber, 2004 (02.11.04)		ernational search report 7, 2004 (07.12.04)
Japanes	address of the ISA/ e Patent Office	Authorized officer	
csimile No. m PCT/ISA/210	(second sheet) (January 2004)	Telephone No.	· · · · · · · · · · · · · · · · · · ·

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	. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
ategory*	Hiroshi YOSHINO, "Saikin no Wadai Shishu Soshiki to Neurotrophin", Hirodai Shishi, 1998, Vol.30, page 236	1-17,26,27
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This is a second on a second	I search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
because Claims body by t	Nos.: 18-25, 28, 29 e they relate to subject matter not required to be searched by this Authority, namely: 18 to 25, 28 and 29 pertain to methods for treatment of the human therapy and thus relate to a subject matter which this International Authority is not required, under the provisions of Article (i) of the PCT (continued to extra sheet.)
	s Nos.: e they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
3. Claims	s Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
2 N. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
Box No. III	nal Searching Authority found multiple inventions in this international application, as follows:
	I required additional search fees were timely paid by the applicant, this international search report covers all searchable
2. As al	ns. I se archable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of additional fee.
3 🖂 🗸	nly some of the required additional search fees were timely paid by the applicant, this international search report covers those claims for which fees were paid, specifically claims Nos.:
4. No restr	required additional search fees were timely paid by the applicant. Consequently, this international search report is ricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on l	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Continuation of Box No.II-1 of continuation of first sheet(2)

and Rule 39.1(iv) of the Regulations under the PCT, to search.

<Subject of search>

Even though the statement in the description is discussed, it is unclear what specific substances are included and what are not in the scope of the term "neurotrophic factor" as used in claims 1, 10 and 26, except brain-derived neurotrophic factor, nerve growth factor, neurotrophin 3 and neurotrophin 4/5 cited as specific examples in the description, which makes the scope of the present invention unclear.

Namely, claims 1, 10 and 26 and the description do not comply with the prescribed requirements to such an extent that no meaningful

international search can be carried out.

Such being the case, prior art documents were searched in this international search report based on the substances specifically cited in the description.